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United States Patent [19]**Tamura**[11] **Patent Number:** **5,404,390**[45] **Date of Patent:** **Apr. 4, 1995**[54] **PORTABLE TELEPHONE SET**[75] **Inventor:** Yoshiharu Tamura, Tokyo, Japan[73] **Assignee:** NEC Corporation, Tokyo, Japan[21] **Appl. No.:** 169,202[22] **Filed:** Dec. 20, 1993[30] **Foreign Application Priority Data**

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[51] **Int. Cl.⁶** H04M 11/00[52] **U.S. Cl.** 379/58; 379/433;
455/97; D14/138[58] **Field of Search** 379/58, 433, 434;
455/89, 90, 97; D14/137, 138, 230, 238;
343/702, 720[56] **References Cited****U.S. PATENT DOCUMENTS**D. 345,356 3/1994 Ando et al. D14/138
5,030,963 7/1991 Tadama .**FOREIGN PATENT DOCUMENTS**0508299 10/1992 European Pat. Off. .
0508567 10/1992 European Pat. Off. .
0067032 3/1988 Japan 455/90
4127723 4/1992 Japan 379/58*Primary Examiner*—Curtis Kuntz*Assistant Examiner*—Dwayne D. Bost*Attorney, Agent, or Firm*—Young & Thompson[57] **ABSTRACT**

A rod antenna is contained to be slant in a housing case, such that a top of the rod antenna is positioned on the side of the housing case remote from a user head, and a bottom of the rod antenna is on the side of the housing case near the user head. The remote and near sides are opposite to each other. When the rod antenna is pulled up out of the housing case, the rod antenna top becomes more remote from the user head in accordance with the slantly contained mode.

5 Claims, 5 Drawing Sheets